

DMS 2/15

DESOTO, INC.  
MATERIAL SAFETY DATA SHEET  
FOR COATINGS, RESINS, AND RELATED MATERIALS  
(APPROVED BY US DEPARTMENT OF LABOR "ESSENTIALLY SIMILAR" TO FORM OSHA-20)  
SECTION I

NPCA 1-72

DESOTO, INC.  
ADMINISTRATIVE AND RESEARCH CENTER

1700 S. MT. PROSPECT ROAD  
DES PLAINES, ILLINOIS 60018

EMERGENCY TELEPHONE (312) 391-9000

PRODUCT CLASS  
POLYESTER

MANUFACTURERS CODE IDENTIFICATION  
822X419

TRADE NAME  
SUPER DESOTHANE DN 3635  
DMS 2115-UPDATES 11/16/82 MSDS

DATE OF PREPARATION 02/09/84

\*\*\*\*\* SECTION II-HAZARDOUS INGREDIENTS \*\*\*\*\*

INGREDIENT	% BY* WEIGHT	PPM	TLV	MG/CU.M	LEL	VAPOR PRESSURE @ 20 DEG C
LEAD CHROMATE PIGMENT	< 0.1		0.05 AS PB, 0.05CR		NA	NA
METHYL ETHYL KETONE	15.0	200		590	1.8	70
METHYL ISOBUTYL KETONE-SKIN	10.0	50		205	1.4	15
2-ETHOXYETHYL ACETATE-SKIN **	10.0	50		270	1.8	2.0
BUTYL ACETATE	10.0	150		710	1.7	8.0

rec'd 7/84 (B2)

\* PERCENT BY WEIGHT:  
TO NEAREST 5%, PLUS OR MINUS 5%, FOR SUBSTANCES 5-95%;  
<5.0 FOR SUBSTANCES 0.5-5.0%;  
<0.5 FOR SUBSTANCES 0.0-0.5%.

\*\* ACGIH NOTICE OF INTENDED CHANGE, 1982: TLV-TWA=5PPM  
NE = NOT ESTABLISHED  
NA = NOT APPLICABLE

\*\*\*\*\* SECTION III-PHYSICAL DATA \*\*\*\*\*

PROPERTY	MEASUREMENT
BOILING RANGE	176.0 TO 313.0 DEG F. 80.0 TO 156.0 DEG C. @760 MM HG
VAPOR DENSITY	X HEAVIER LIGHTER THAN AIR
WEIGHT PER GALLON	10.6 LBS.
PERCENT VOLATILE BY VOLUME	63.5
EVAPORATION RATE	FASTER X SLOWER THAN ETHER

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## \*\*\*\*\* SECTION IV-FIRE AND EXPLOSION DATA \*\*\*\*\*

DOT CATEGORY	FLAMMABLE LIQUID	FLASH POINT	22.0 DEG F.
OSHA CATEGORY	FLAMMABLE LIQUID-CLASS I B	(CLOSED CUP)	-5.6 DEG C.

LOWER EXPLOSIVE LIMIT SEE II

EXTINGUISHING MEDIA: USE NATIONAL FIRE PROTECTION ASSOCIATION CLASS B  
EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL OR FOAM).

UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE  
FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. CLOSED CONTAINERS MAY  
EXPLODE WHEN EXPOSED TO EXTREME HEAT. DO NOT APPLY TO HOT SURFACES.

SPECIAL FIRE FIGHTING PROCEDURES: WATER SPRAY MAY BE INEFFECTIVE. WATER MAY  
BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE  
AUTO IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. IF WATER IS USED, FOG  
NOZZLES ARE PREFERABLE. WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS  
AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN.

## \*\*\*\*\* SECTION V-HEALTH HAZARD DATA \*\*\*\*\*

THRESHOLD LIMIT VALUE: SEE II (NOT ESTABLISHED FOR PRODUCT)

## EFFECTS OF OVEREXPOSURE:

INHALATION: ANESTHETIC. IRRITATION OF THE RESPIRATORY TRACT OR ACUTE NERVOUS  
SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING GAIT,  
CONFUSION, UNCONSCIOUSNESS OR COMA.

SKIN OR EYE CONTACT: PRIMARY IRRITATION.

## OTHER HEALTH EFFECTS:

REPRODUCTIVE AND BLOOD DISORDERS AND BIRTH DEFECTS HAVE BEEN OBSERVED IN  
TESTS ON LABORATORY ANIMALS WITH 2-METHOXYETHANOL, 2-ETHOXYETHANOL, AND  
2-ETHOXYETHYL ACETATE. BECAUSE THIS PRODUCT CONTAINS AT LEAST ONE OF THESE  
SOLVENTS, HANDLING PRECAUTIONS AS OUTLINED IN SECTIONS VIII AND IX SHOULD BE  
CAREFULLY FOLLOWED TO AVOID OVEREXPOSURE.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: REMOVE FROM EXPOSURE.  
RESTORE BREATHING. KEEP WARM AND QUIET. NOTIFY A PHYSICIAN. SKIN CONTACT:  
WASH AFFECTED AREAS WITH WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A  
PHYSICIAN. EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. CONSULT A PHYSICIAN.  
INGESTION: CONSULT A PHYSICIAN.

## \*\*\*\*\* SECTION VI-REACTIVITY DATA \*\*\*\*\*

STABILITY: UNSTABLE X STABLE

INCOMPATIBILITY (MATERIALS TO AVOID):

HAZARDOUS DECOMPOSITION PRODUCTS:  
PRODUCTS OF COMBUSTION ARE HAZARDOUS

HAZARDOUS POLYMERIZATION: MAY OCCUR X WILL NOT OCCUR

CONDITIONS TO AVOID:

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## \*\*\*\*\* SECTION VII-SPILL OR LEAK PROCEDURES\*\*\*\*\*

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.

WASTE DISPOSAL METHODS: DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS.

## \*\*\*\*\*SECTION VIII-SPECIAL PROTECTION INFORMATION\*\*\*\*\*

## RESPIRATORY PROTECTION:

IF EXPOSURE EXCEEDS OCCUPATIONAL EXPOSURE LIMITS INDICATED IN SECTION II USE NIOSH APPROVED ORGANIC VAPOR RESPIRATOR. IN CONFINED AREAS USE NIOSH APPROVED AIR LINE TYPE RESPIRATORS OR HOODS.

VENTILATION: WHERE EMPLOYEES MAY BE EXPOSED, PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP TLV OF HAZARDOUS INGREDIENTS IN SECTION II BELOW RECOMMENDED (ACGIH) OR REGULATED (OSHA) LIMIT. WHERE EMPLOYEES WILL NOT BE EXPOSED, KEEP LEL IN SECTION II BELOW 25% OF LIMIT

PROTECTIVE GLOVES: BUTYL RUBBER PREFERRED. NEOPRENE OR NITRILE ACCEPTABLE.

EYE PROTECTION: SPLASH PROOF GOGGLES AND/OR FACE SHIELD.

## OTHER PROTECTIVE EQUIPMENT:

PROTECTIVE CLOTHING SUCH AS BUTYL, NEOPRENE, OR NITRILE RUBBER APRON ACCEPTABLE. A SAFETY SHOWER, AN EYE BATH, AND WASHING FACILITIES SHOULD BE AVAILABLE.

## \*\*\*\*\* SECTION IX-SPECIAL PRECAUTIONS\*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT STORE ABOVE 120 DEG. F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED FOR STORAGE OF FLAMMABLE LIQUIDS.

OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY. CONTAINERS SHOULD BE GROUNDED WHEN POURING. AVOID FREE FALL OF LIQUID IN EXCESS OF A FEW INCHES.

CONTAMINATED CLOTHING SHOULD BE WASHED BEFORE REUSE

DO NOT SAND, FLAME CUT, BRAZE OR WELD THE DRY COATING WITHOUT NIOSH APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

OBSERVE PRECAUTIONARY LABEL WARNINGS.

PREPARED BY S. M. STEVENSON

## \*\*\*\*\*SECTION VIII-SPECIAL PROTECTION INFORMATION\*\*\*\*\*

RESPIRATORY PROTECTION: IN AREAS WHERE TLVS IN SECTION II MAY BE EXCEEDED OR IF SPRAY MIST IS PRESENT, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION APPROPRIATE FOR INDICATED COMPONENTS. IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATORS. FOLLOW RESPIRATOR MANUFACTURERS DIRECTIONS AND OSHA REGULATIONS (29 CFR 1910.134) FOR RESPIRATOR USE.

VENTILATION: WHERE EMPLOYEES MAY BE EXPOSED, PROVIDE GENERAL DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP LEVEL OF HAZARDOUS INGREDIENTS IN SECTION II BELOW RECOMMENDED (ACGIH TLV) OR REGULATE D (OSHA PEL) LIMIT. WHERE EMPLOYEES WILL NOT BE EXPOSED, KEEP LEVEL BELOW 25% OF LEL IN SECTION II.

PROTECTIVE GLOVES: WEAR CHEMICALLY RESISTANT GLOVES

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

OTHER PROTECTIVE EQUIPMENT: AVOID SKIN CONTACT BY USE OF OTHER PROTECTIVE CLOTHING. A SAFETY SHOWER, AN EYE BATH AND WASHING FACILITIES SHOULD BE AVAILABLE.

## \*\*\*\*\*SECTION IX-SPECIAL PRECAUTIONS\*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. DO NOT STORE ABOVE 49 DEG C (120 DEG F). STORE FLAMMABLE LIQUIDS IN ACCORDANCE WITH APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES AND GOVERNMENTAL REGULATIONS.  
GROUNDING AND BONDING PROCEDURES SHOULD BE FOLLOWED WHEN TRANSFERRING THIS MATERIAL. AVOID FREE FALL OF LIQUID. DO NOT SMOKE WHERE THIS MATERIAL IS USED OR STORED. DO NOT APPLY TO HOT SURFACES.

## OTHER PRECAUTIONS:

EMPTY DRUMS MAY CONTAIN EXPLOSIVE VAPORS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR DRUM.

DO NOT TAKE INTERNALLY. DO NOT DELIBERATELY CONCENTRATE THIS PRODUCT AND INHALE THE VAPORS. PREVENT PROLONGED CONTACT WITH CONTAMINATED CLOTHING WASH CONTAMINATED CLOTHING BEFORE REUSE.

VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR AND MAY COLLECT IN LOW OR CONFINED AREAS. DO NOT ENTER SUCH AREAS WITHOUT FOLLOWING APPROPRIATE PROCEDURES INCLUDING AIR MONITORING, USE OF SUPPLIED AIR IF NECESSARY AND THE PRESENCE OF AN OBSERVER FOR ASSISTANCE.

DO NOT SAND, FLAME CUT, BRAZE OR WELD THE DRY COATING WITHOUT NIOSH APPROVED RESPIRATOR OR APPROPRIATE VENTILATION.

OBSERVE PRECAUTIONARY LABEL WARNINGS.

PREPARED BY S. M. STEVENSON  
TECHNICAL INFORMATION SPECIALIST